ENT BOOK

| imensions | | | Contents | Reference to last Measureme |
|---|---|---|---|---|
| h | Breadth 5 | Depth 6 | 7 | 8 |
| | | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209750

Serial No. BR-NOS/29-11-14
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Name of work:- ~~Earth work excavation~~ Improvements to Roads, Construction of culverts and Dispatting to Vinayaka Layout main Roads in ward No 11<br>Work Code No:- 011-13-0000 14 Estimated Cost Rs:- ~~40~~ 40 lakhs<br>Work order No:- EE/BSP/KRIDL/WO/53/14-15 Dated:- 18/7/14<br>Name & Agency:- Technical manager KRIDL Bangalore. | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measuremen |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Recorded on 21/8/14

1) Earth work excavation by ~~by~~ manual means in hard soil involving an average horizontal throw up to 2 metres and an average lift up to 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc. Complete as per Specifications.

2nd main Road
Teacher's layout

| | | |
|---|---|---|
| 2 x 30.00 x 0.45 x 0.40 = | 10.80 | |
| 2 x 30.00 x 0.45 x 0.45 = | 12.15 | |
| 2 x 30.00 x 0.45 x 0.35 = | 9.45 | CFT |
| 2 x 30.00 x 0.45 x 0.45 = | 12.15 | |
| 2 x 26.70 x 0.45 x 0.40 = | 9.61 | |

Serial No. .....
Name of Work ..... Fr
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Numb |
|---|---|---|
| 1 | 2 | 3 |
| | Berm cutting 2nd main Teacher's layout | |
| | For Culvert | |

NT BOOK

| ensions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| g manual means in Head | | | |
| orizontal throw up to | | | |
| ght up to 0.5m, excavated | | | |
| eatly dressed, the dispersed | | | |
| after breaking of clods | | | |
| ations. | | | |
| 0 x 0.45 x 0.40 = 10.80 | | | |
| 0 x 0.45 x 0.45 = 12.15 | | | C/F |
| 0 x 0.45 x 0.35 = 9.45 | | | |
| 0 x 0.45 x 0.45 = 12.15 | | | |
| 0 x 0.45 x 0.40 = 9.61 | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209751

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 2 x 30.70 x 0.45 x 0.45 = 12.43 | | | | | |
| | Berm cutting | 2 x 30.00 x 1.00 x 0.25 = 15.00 | | | | | |
| | Remain Reduced layout | 2 x 30.00 x 0.95 x 0.20 = 11.40 | | | | | |
| | | 2 x 30.00 x 1.05 x 0.20 = 12.60 | | | | | |
| | | 2 x 30.00 x 1.00 x 0.20 = 12.00 | | | | | C/F |
| | | 2 x 26.70 x 0.95 x 0.25 = 12.68 | | | | | |
| | | 2 x 30.70 x 0.80 x 0.30 = 14.74 | | | | | |
| | For Culvert | 1 x 5.60 x 2.00 x 1.20 = 13.44 | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Total Qty | | | ~~158~~ Sq. 158.45 m² | |
| | | | Limited to | | | 158.33 m² | |
| | | | Sq 90.72 | | | Rs, 14384=00 | |
| | | | Plu 21.7 | | | Sqy 21/8/14 | |
| | 2) Removing B.P Slab Down and Stacking etc. | | | | | | |
| | pre measurement Qty vide page No 209-84 | | | | | | |
| | | | Total Qty | | | 311.04 m² | |
| | | | Limited To | | | 297.00 m² | |
| | | | Sq 50.4 | | | Rs, 14883=00 | |

M. A. R. 5
Measure

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Number | Le |
|---|---|---|---|
| 1 | 2 | 3 | |
| | 3) Refixing stone slabs etc. | | |
| | Qty vid | | |
| | 4) providing & laying in | | |
| | & mix m+s with ope | | |

BOOK

| ns | | Contents | Reference to last Measurement |
|---|---|---|---|
| adth 5 | Depth 6 | 7 | 8 |
| 1 | | ~~158~~ g. ~~158.45 m³~~ | |
| ed To | | 158.33 m³ | |
| 2 | | Rs, 14384=00 | |
| | | Hoby 21/8/14 | |
| | | Flooring etc. | |
| e page | | No 209752 | |
| 4 | | 311.04 m² | |
| ed To | | 297.00 m² | |
| | | Rs, 14883=00 | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209752

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | 3) Refixing stone slabs of Dressing & pointing in cm (1:3) etc. Qty vide Item No. 2 Total Qty 297.00 Qty 70.04 | | | | | Rs, 20802=00 | |
| | 4) providing & laying in position plain cement Concrete of mix M-15 with ope Cement @ 180 kgs using 40mm & | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Qty vide Item No. 13 | | | | 1075.00 m2 | |
| | | Total Qty | | | | | |
| | | Qty 142.07 | | | | Rs, 152725-00 | |
| | 15) providing & laying Semi dense bituminous Concrete 25mm thick with 100-120 TPH batch type HMP producing an average out put of 75 tonnes per Hour using crushed aggregates of Specified grading premixed with bituminous binder at 4.5% by mix & filler, transporting the hot Mix to work site laying with a hydrostatic paver finisher with | | | | | | |

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Numbe |
|---|---|---|
| 1 | 2 | 3 |
| | Sensor control to the rolling with smooth achive the the desired clause No 500-8 with as per Specifications. and main Teachers layout | |

T BOOK

| sions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| tem No. 13 | | | |
| d Qty | | 1075.00m2 | |
| 2.07 | | Rs, 152725.00 | |
| se bituminous Concrete | | | |
| batch type HMP | | | |
| @ 75 tonnes per | | | |
| g Specified grading | | | |
| ter at 4.5 to 5% of | | | |
| ot Mix to work site | | | |
| paver finisher with | | | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B** 209762

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | sensor control to the required grade, level & alignment rolling with smooth wheeled, vibratory & tandem roller to achive the the desired compaction as per MORTH Specification clause NO 500-8 with 80/100 grade bitumen etc. complete as per specifications. | | | | | | |
| | 2nd main Teachers layout | 1 | 30.00 | $\frac{5.60+4.60}{2}$ | 0.025 | 3.83 | |
| | | 1 | 30.00 | $\frac{4.60+5.00}{2}$ | 0.025 | 3.63 | |
| | | 1 | 30.00 | $\frac{5.00+4.30}{2}$ | 0.025 | 3.49 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Interior road | 1 | 30.00 | 4.30+4.30/2 | 0.025 | = 3.23 | CBR-1 |
| | | 1 | 26.70 | 4.30+4.60/2 | 0.025 | = 2.97 | |
| | | 1 | 30.70 | 4.60+4.20/2 | 0.025 | = 3.38 | |
| | | 1 | 30.00 | 3.70+4.70/2 | 0.025 | = 3.15 | |
| | | 1 | 27.00 | 4.70+5.20/2 | 0.025 | = 3.34 | |
| | | | | Total Qty | | 26.9845 | |
| | | | | Limited to | | 26.88 Cum | |
| | | | | 14,981.36 | | Rs 26899.00 | |

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

Serial No. .....
Name of Work ..... F
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Num |
|---|---|---|
| 1 | 2 | 3 |
| 16) | Lead for Disposal of rates by Mechanical From 0.00 to 2.00 km | |

T BOOK

| sions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| 3.30+4.30 / 2 × 0.025 = 3.23 | | | |
| 4.30+4.60 / 2 × 0.025 = 2.97 | | | |
| 4.60+4.20 / 2 × 0.025 = 3.38 | | | |
| 4.70+4.70 / 2 × 0.025 = 3.75 | | | |
| 4.70+5.20 / 2 × 0.025 = 3.34 | | | |
| al Qty | | 26.98 m³ | |
| ited to | | 26.88 m³ | |
| 81.36 | | Rs 26829.00 | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209763

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

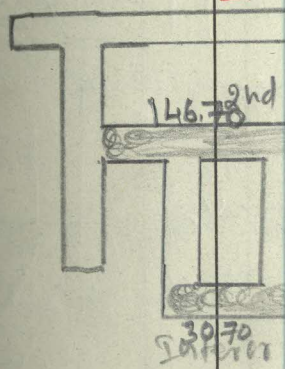
| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | 16) Lead for Disposal of Debris shall be payble at Carriage rates by Mechanical means Excluding loading and Unloading From 0.00 to 2.00 Kms etc. | | | | | | |
| | Qty. Vide Item No 1 | | | | | | |
| | | | | Total Qty | | 134.58 m³ | |
| | | | | 1M 72.71 | | Rs. 9785=00 | |
| | Sub Total | | | | | Rs. 892617=00 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 17) | Add KRIDL charges 1% | | | | | Rs, 98188=00 | |
| 18) | Third party QC Inspection 1% | | | | | Rs, 8926=00 | |
| | | | | | Total | Rs 99731=00 | |
| | GST-C | | | | | | |
| | ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ, ಯಲಹಂಕ ವಲಯ, ಬಿ. ಬೆಂ. ಮ. ಸಾ. ಬೆಂಗಳೂರು-97. | | | | | ಸಲ್ಲಿಸಿ 25/11/24 | 99082=00 |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Num |
|---|---|---|
| 1 | 2 | |



# MEASUREMENT BOOK

| ption, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|
| 2 | Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| KRIDL charges 1%<br>party QC Inspection 1%<br>C&T-C<br>Total | | | | | Rs, 98188=00<br>Rs, 8926=00<br>Rs, 999731=00 | |

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ. ಬೆಂ. ಮ ಸಾ. ಬೆಂಗಳೂರು-97.

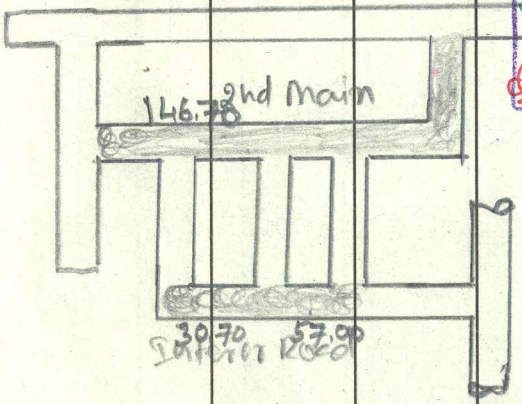
25/4/24 990802=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work | Dimensions | | | | Contents | R |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | Me |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| | | | 1437.86=00 | | | | |




25/4

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ. ಬೆಂ. ಮ ಸಾ., ಬೆಂಗಳೂರು-97.